



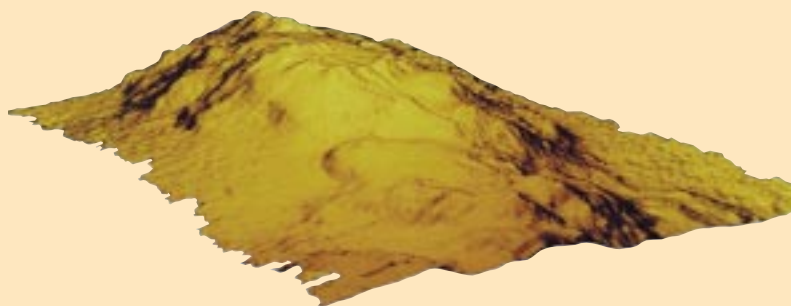
SPAWAR
Systems Center
San Diego

Geo-Acoustic Echo Processor (GEP)

The Geo-Acoustic Echo Processor (GEP) developed by SSC San Diego is designed to provide enhanced real-time sonar data processing. The GEP serves as an on-line or off-line system to process data for more accurate bathymetry maps and ocean-bottom characterization.

GEP FEATURES

- Uses fast processors capable of handling large time windows of data
- Employs diagnostic functions and displays
- Reprocesses raw data off-line
- Saves raw and processed data to 8-mm tape
- Processes up to 1001 sonar bottom points/ping with bathymetry and backscatter solutions
- Computes coarse bottom characterization in real time
- Calibrated against core samples



Rack-mountable VME Chassis containing

- PowerPC computer with built-in SCSI and LAN capabilities
- Serial and GPIB I/O cards
- DSP card with eight C40 processors
- Dual SCSI tape drive for data recording
- Keyboard and display for the maintenance computer
- IRIG-B card for timing

OPTIONAL

- Pentium maintenance and display computer



For additional information, contact:

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This technology may be the subject of one or more invention disclosures assignable to the U.S. Government.

Licensing inquiries may be directed to

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